



(U.S.)

Attorney Docket No.: SP01-038

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Krol, et al
Serial No.: 10/061,766
Filed: 6 March 2001
For: Modular Optical Switch Fabric

COMBINED
CERTIFICATE UNDER
37 C.F.R. § 3.73(b)
and
POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, DC 20231

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

CORNING INCORPORATED, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

(U.S.)

Attorney Docket No.: SP01-038

POWER OF ATTORNEY BY ASSIGNEE

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **MODULAR OPTICAL SWITCH FABRIC** and executed by Mark F. Krol and Manish Sharma, on 23 April 2002 and 4 April 2002 respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Patent Department, Corning Incorporated and Daniel P. Malley, Attorney Registration 43, 443, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Daniel P. Malley at the address:

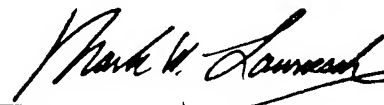
Daniel P. Malley
Wall, Marjama & Bilinski LLP
306 ~~East~~ State Street
Suite 230
Ithaca, NY 14850

Customer Number: 22928

CORNING INCORPORATED

Date: 29 April 2002

By



Mark W. Lauroesch
Assistant Secretary

ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **Modular Optical Switch Fabric**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 23 April 2002

DATE 4 April 2002

and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

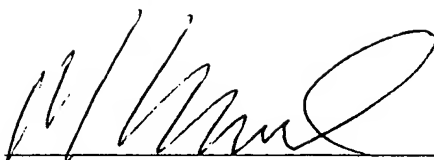
I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at Corning, NY, this

4/23/02
Date

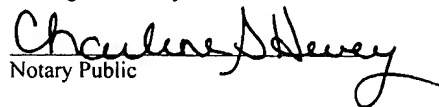

Mark F. Krol

State of New York)

: ss.

County of Steuben)

On the 23rd day of April 2002, before me personally came Mark F. Krol known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.


Notary Public

CHARLENE HEVEY
Notary Public, State Of New York
No. 01HE6055884
Qualified In Steuben County
Commission Expires March 12, 2003

Signed at Somerset, NJ, this

April 4th 2002
Date

Manish Sharma
Manish Sharma

State of New Jersey
County of Somerset

On the 4th day of April, 2002, before me personally came **Manish Sharma** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Alberta Walker
Notary Public

ALBERTA WALKER
NOTARY PUBLIC OF NEW JERSEY
COMMISSION EXPIRES 2/4/2005